Translation

PATENT COOPERATION TREAT

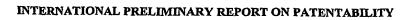
PCT/JP2003/013460

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

·	(FC1 Article 36 and Rule 70)	•					
Applicant's or agent's file reference P3S2003263	FOR FURTHER ACTION	See Form PCT/IPEA/416					
International application No. PCT/JP2003/013460	International filing date (day/month/year 22 October 2003 (22.10.2003)	(Controlling Carry					
International Patent Classification (IPC) or no G11B 5/73, 5/84, C03C 15/00, 19	ational classification and IDC	23 October 2002 (23.10.2002)					
Applicant	HOYA CORPORATION						
This report is the international prelim Authority under Article 35 and transi	ninary examination report, established by to mitted to the applicant according to Article	his International Preliminary Examining e 36.					
This REPORT consists of a total ofThis report is also accompanied by A	4 sheets, including this cove	er sheet.					
	to the International Bureau) a total of	sheets, as follows:					
Administrative Inst	ructions).	been amended and are the basis of this report thority (see Rule 70.16 and Section 607 of the					
Supplemental Box.	me mornational application as me	ity considers contain an amendment that goes I, as indicated in item 4 of Box No. I and the					
b (sent to the International readable form only, as independent of the Instructions of the International readable form only, as independent on the International readable form only, as independent of the International readable form only, as independent on the International readable form only, as independent of the International readable form only, as independent on the International readable form only, as independent on the Internation readable form only as independent on the Internation readable form only as independent on the Internation readable form on the Internation readable for the Internati	icated in the Supplemental Day Date!	type and number of electronic carrier(s)). ing and/or tables related thereto, in computer to Sequence Listing (see Section 802 of the					
4. This report contains indications relating	ig to the following items:						
Box No. I Basis of the repo	ort						
Box No. II Priority							
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
Box No. IV Lack of unity of invention Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
Box No. VI Certain documen							
Box No. VII Certain defects in the international application							
Box No. VIII Certain observati	ons on the international application						
Date of submission of the demand	Date of completion	of this report					
28 April 2004 (28.04.200	NA	anuary 2005 (20.01.2005)					
Name and mailing address of the IPEA/JP	Authorized officer						
acsimile No.	Telephone No.	}					



International application No.

PCT/JP2003/013460

Box No.	. I	Basis of the report
1. With other	regaro wise i	d to the language, this report is based on the international application in the language in which it was filed, unless indicated under this item.
	This which	report is based on translations from the original language into the following language, ch is language of a translation furnished for the purpose of:
}		international search (under Rules 12.3 and 23.1(b))
j		publication of the international application (under Rule 12.4)
		international preliminary examination (under Rules 55.2 and/or 55.3)
1		
furni	shed to ire noi	d to the elements of the international application, this report is based on (replacement sheets which have been to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" annexed to this report): international application as originally filed/furnished
		escription:
_	page	•
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Ì	page	
		laims:
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	a seq	uence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
i		
3.	The a	amendments have resulted in the cancellation of:
		the description, pages
Ì	一	the claims, Nos.
Ì	同	the drawings, sheets/figs
}	Ħ	the sequence listing (specify):
Ì	亓	any table(s) related to sequence listing (specify):
]		(-pecgy).
4.	made	report has been established as if (some of) the amendments annexed to this report and listed below had not been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box the description, pages the claims, Nos the drawings, sheets/figs
1		the sequence listing (specify):
Į.		any table(s) related to sequence listing (specify):
ł		
* If iten	n 4 ap	plies, some or all of those sheets may be marked "superseded."
L		24 //00 (Per No. 1) (Terring 2004)

INTERNATIONAL PRED. NARY EXAMINATION REPORT

V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Statement			
Novelty (N)	Claims	2-15	YES
	Claims	1	NO
Inventive step (IS)	Claims		YES
	Claims	1-15	NO
Industrial applicability (IA)	Claims	1-15	YES
	Claims		——— NO

2. Citations and explanations

Document 1: JP 2002-133649 A (Nippon Sheet Glass Co., Ltd.), 10 May 2002

Document 2: JP 2001-294447 A (Nippon Electric Glass Co., Ltd.), 23 October 2001

Document 3: JP 2002-251716 A (Nippon Sheet Glass Co., Ltd.), 6 September 2002

Document 4: JP 2001-341058 A (Nihon Micro Coating Co., Ltd.), 11 December 2001

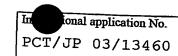
Claims 1-15: Documents 1-4

Document 1 (paragraphs [0035]-[0085] and fig. 1) discloses substrates for information recording media and a method for manufacturing the same wherein texture processing is carried out after polishing the glass substrates.

Document 2 (paragraphs [0018]-[0019]) discloses a technique whereby the surface of glass is rinsed using an acidic rinsing solution in order to give a high silicon oxide content in the surface layer.

Documents 3 and 4 disclose glass substrates for information recording media and processes for the

INTERNATIONAL PREID NARY EXAMINATION REPORT



production thereof wherein the average roughness (Ra) of the substrate surface is 1.5 nm or less.

A person skilled in the art could easily apply the technique disclosed in document 2 for giving a high silicon oxide content in the surface layer, and/or a technique disclosed in documents 3 and 4 for giving an average surface roughness (Ra) of 1.5 nm or less, in the substrates for information recording media and the method for manufacturing the same disclosed in document 1.